

ABSTRACT OF THE DISCLOSURE

A projection-type image display device includes a light source, converging optics, a rod integrator having a first optical axis, a light deflecting structure, and a light beam separating structure. The light beam separating structure directs light to a digital micromirror device and modulated light from the digital micromirror device along a second optical axis of a projection lens that projects an image formed by the modulated light on a screen. The rod integrator is between the light beam separating structure and the projection lens in the direction of the second optical axis and is outside the optical path of the modulated light beam from the digital micromirror device. The rod integrator may include a solid rod member and a leaky ray shielding member at least at one of the entrance end, the exit end, and around the solid rod member. The converging optics may include a parabolic reflector and an aspheric lens.